

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	I29K	WINNEBAGO	585	66
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

PROPOSED HORIZONTAL CONTROL

PROPOSED NORTH BOUND I-90 EXIT RAMP
Chain SESINGL contains:
P9227 CUR SESINGL-IP9228

Beginning chain SESINGL description

Point P9227 N 2,077,538.5594 E 2,621,512.7342 Sta 1300+00.0000
Course from P9227 to PC SESINGL-1352° 31' 29.4039" Dist 680.3522'

Curve Data

Curve SESINGL-1
P.I. Station 1308+29.9962 N 2,078,361.5018 E 2,621,404.7547
Delta = 6° 07' 06.3888" (RT)
Degree = 2° 02' 46.6002"
Tangent = 149.6440'
Length = 299.0035'
Radius = 2,800.0000'
External = 3.9960'
Long Chord = 298.8614'
Mid. Ord. = 3.9903'
P.C. Station 1306+80.3522 N 2,078,213.1296 E 2,621,424.2228
P.T. Station 1309+79.3557 N 2,078,511.038 E 2,621,401.2115
C.C. N 2,078,577.3996 E 2,624,200.4266

Course from PT SESINGL-1 to P9228 358° 38' 35.7927" Dist 1,184.5849'
Point P9228 N 2,079,695.3565 E 2,621,373.1640 Sta 1321+63.9405

Ending chain SESINGL description

PROPOSED SOUTH BOUND I-90 EXIT RAMP
Chain SBI90EXRP contains:
70001 CUR 70200 CUR 70210 70220

Beginning chain SBI90EXRP description

Point 70001 N 2,082,777.6657 E 2,619,833.5788 Sta 800+00.0000
Course from 70001 to PC 70200 164° 20' 20.2339" Dist 933.4688'

Curve Data

Curve 70200
P.I. Station 813+05.2167 N 2,081,520.9045 E 2,620,185.9167
Delta = 51° 50' 03.8439" (RT)
Degree = 7° 29' 22.7198"
Tangent = 371.7479'
Length = 692.0809'
Radius = 765.0000'
External = 85.5419'
Long Chord = 668.7199'
Mid. Ord. = 76.9386'
P.C. Station 809+33.4688 N 2,081,878.8514 E 2,620,085.5649
P.T. Station 816+25.5497 N 2,081,220.8166 E 2,619,966.4998
C.C. N 2,081,672.3428 E 2,619,348.9651

Course from PT 70200 to PC 70210 216° 10' 24.0778" Dist 326.5219'

Curve Data

Curve 70210
P.I. Station 821+17.1898 N 2,080,823.9477 E 2,619,676.3189
Delta = 37° 31' 49.1060" (LT)
Degree = 11° 47' 21.3182"
Tangent = 165.1181'
Length = 318.3433'
Radius = 486.0000'
External = 27.2835'
Long Chord = 312.6826'
Mid. Ord. = 25.8333'
P.C. Station 819+52.0716 N 2,080,957.2368 E 2,619,773.7767
P.T. Station 822+70.4150 N 2,080,658.8758 E 2,619,680.2291
C.C. N 2,080,670.3848 E 2,620,166.0928

Course from PT 70210 to 70220 178° 38' 34.9717" Dist 1,003.3302'

Point 70220 N 2,079,655.8270 E 2,619,703.9891 Sta 832+73.7452

Ending chain SBI90EXRP description

PROPOSED SOUTH BOUND I-90 ENTRANCE RAMP

Chain SBI90ENRP contains:
70230 CUR 70240 CUR 70250 70260 CUR 70270 70008

Beginning chain SBI90ENRP description

Point 70230 N 2,079,658.0649 E 2,619,798.4626 Sta 5000+00.0000
Course from 70230 to PC 70240 358° 38' 34.9656" Dist 968.5718'

Curve Data

Curve 70240
P.I. Station 5023+99.1898 N 2,082,056.5818 E 2,619,741.6471
Delta = 152° 30' 19.0470" (RT)
Degree = 16° 22' 12.8018"
Tangent = 1,430.6180'
Length = 931.6018'
Radius = 350.0000'
External = 1,122.8096'
Long Chord = 679.9471'
Mid. Ord. = 266.8256'
P.C. Station 5009+68.5718 N 2,080,626.3650 E 2,619,775.5257
P.T. Station 5019+00.1736 N 2,080,803.5437 E 2,620,431.9828
C.C. N 2,080,634.6534 E 2,620,125.4276

Curve Data

Curve 70250
P.I. Station 5020+53.5885 N 2,080,669.1719 E 2,620,506.0121
Delta = 9° 11' 04.1921" (RT)
Degree = 2° 59' 59.2045"
Tangent = 153.4149'
Length = 306.1725'
Radius = 1,910.0000'
External = 6.1514'
Long Chord = 305.8448'
Mid. Ord. = 6.1316'
P.C. Station 5019+00.1736 N 2,080,803.5437 E 2,620,431.9828
P.T. Station 5022+06.3460 N 2,080,524.7066 E 2,620,557.6448
C.C. N 2,079,881.8853 E 2,618,759.0674

Course from PT 70250 to 70260 160° 19' 58.2046" Dist 800.4245'

Point 70260 N 2,079,770.9760 E 2,620,827.0322 Sta 5030+06.7706

Course from 70260 to PC 70270 161° 28' 42.9510" Dist 355.3997'

Curve Data

Curve 70270
P.I. Station 5047+06.6777 N 2,078,159.1155 E 2,621,367.0228
Delta = 13° 27' 24.6988" (RT)
Degree = 0° 30' 09.9056"
Tangent = 1,344.5073'
Length = 2,676.6423'
Radius = 11,396.4400'
External = 79.0358'
Long Chord = 2,670.4945'
Mid. Ord. = 78.4914'
P.C. Station 5033+62.1703 N 2,079,433.9842 E 2,620,939.9281
P.T. Station 5060+38.8126 N 2,076,819.8573 E 2,621,485.7130
C.C. N 2,075,813.8039 E 2,610,133.7660

Course from PT 70270 to 70008 173° 29' 25.8351" Dist 337.5000'

Point 70008 N 2,076,484.5331 E 2,621,523.9746 Sta 5063+76.3126

Ending chain SBI90ENRP description

PROPOSED NORTH BOUND I-90 ENTRANCE RAMP

Chain NEDIAM contains:
P9232 CUR NEDIAM-1 CUR NEDIAM-2 P9233 P9234

Beginning chain NEDIAM description

Point P9232 N 2,079,695.3765 E 2,621,373.1623 Sta 4000+00.0000

Course from P9232 to PC NEDIAM-1358° 38' 34.8919" Dist 251.2781'

Curve Data

Curve NEDIAM-1
P.I. Station 4006+59.8582 N 2,080,355.0497 E 2,621,357.5359
Delta = 51° 17' 34.6694" (LT)
Degree = 6° 43' 57.9326"
Tangent = 408.5801'
Length = 761.8417'
Radius = 851.0000'
External = 93.0014'
Long Chord = 736.6549'
Mid. Ord. = 83.8391'
P.C. Station 4002+51.2781 N 2,079,946.5842 E 2,621,367.2117
P.T. Station 4010+13.1198 N 2,080,602.9283 E 2,621,032.7377
C.C. N 2,079,926.4312 E 2,620,516.4503

Course from PT NEDIAM-1 to PC NEDIAM-2 307° 21' 00.2225" Dist 337.8037'

Curve Data

Curve NEDIAM-2
P.I. Station 4016+07.2331 N 2,080,963.3669 E 2,620,560.4511
Delta = 34° 07' 42.7285" (RT)
Degree = 6° 51' 42.3720"
Tangent = 256.3096'
Length = 497.3722'
Radius = 835.0000'
External = 38.4527'
Long Chord = 490.0518'
Mid. Ord. = 36.7599'
P.C. Station 4013+50.9235 N 2,080,807.8681 E 2,620,764.2028
P.T. Station 4018+48.2956 N 2,081,206.4010 E 2,620,479.0321
C.C. N 2,081,471.6461 E 2,621,270.7833

Course from PT NEDIAM-2 to P9233 341° 28' 42.9510" Dist 1,978.5130'

Point P9233 N 2,083,082.4370 E 2,619,850.5399 Sta 4038+26.8086

Course from P9233 to P9234 339° 11' 10.1571" Dist 337.5000'

Point P9234 N 2,083,397.9117 E 2,619,730.6151 Sta 4041+64.3086

Ending chain NEDIAM description

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		HORIZONTAL & VERTICAL CONTROL
SCALE:	VERT. N/A HORIZ. N/A	DRAWN BY
DATE	SEPTEMBER 14, 2005	CHECKED BY

HORIZONTAL & VERTICAL CONTROL

PLT DATE = DATE
FILE NAME = SHEET
PLT SCALE = SCALE
REFERENCE = REF